

NORTH DAKOTA'S

Nutrient Reduction Strategy

Draft Outline of North Dakota's Nutrient Reduction Strategy and Associated Pollutant Loadings to Surface Waters

1. Background

- a. Scope of the problem
 - i. What are nutrients and why are they a problem
 - ii. Nationally and internationally
 - iii. State and local
 - iv. Sources and stressors
- b. History with the issue
 - i. EPA
- c. Other nutrient reduction efforts?
 - i. MT
 - ii. MN
 - iii. Red River basin

2. Why a nutrient reduction strategy for ND

- a. Nutrient strategy development process

3. How does a nutrient management strategy relate to other watershed and water quality management programs and activities in the state?

- a. Section 319 NPS Management Program
- b. Water Quality Monitoring and Assessment
- c. Wetland Protection
- d. TMDL Program
- e. Regulatory programs (e.g., NDPDES, Stormwater, septic systems, AFO/CAFO)
- f. Water Quality Standards
- g. Basin planning
 - i. SWC
 - ii. NRCS locally lead process
 - iii. Municipal and county planning and zoning

4. Elements of a state nutrient reduction strategy

- a. Priority watersheds
 - i. Prioritization factors
- b. Load and targets
 - i. Nutrient criteria and TMDLs
- c. Source reduction strategies
 - i. NPS
 - 1. Agriculture
 - 2. Urban
 - ii. Point sources
 - 3. Industrial
 - 4. Municipal
 - 5. Monitoring
 - 6. Stormwater
 - 7. Septic systems
 - 8. AFO/CAFO
- d. Nutrient criteria
 - i. Nutrient criteria development plan
 - ii. Narrative criteria
 - 9. Targets/criteria developed and expressed through site specific TMDLs or other studies/investigations
- e. Accountability and verification measures
 - i. Monitoring and assessment
 - ii. Adaptive management
- f. Reporting

5. Outreach Strategy (TBD)

- a. Define the driving forces, goals, and objectives.
 - a. Conduct initial outreach; organize stakeholder and technical teams
 - i. Stakeholder meetings
 - ii. Technical work group meetings and reports
 - b. Establish broad consensual goals and/or conduct a visioning exercise
 - i. Visioning workshop
- b. Identify and analyze the target audience
 - a. Collect relevant watershed and community assessment information
 - b. Analyze and evaluate information; identify and address data gaps
 - c. Assess, prioritize, and analyze key concerns and issues
- c. Create the message
 - a. Develop management objectives and strategies for implementation
 - b. Package the message
 - c. Distribute the message
- d. Evaluate the outreach campaign
 - a. Adapt selected management actions